

“My Future Space”

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In my thesis project, I wanted to envision a future space scenario where humanity, due to climate change, has migrated to the mesosphere, living on gigantic floating sculptural objects. The capsules within these objects serve as individual living quarters, inspired by shapes from nature. In addition to the capsules, there is also a communal area where everyone gets to socialize. My design process involved extensive research, drawing inspiration from various sources including architectural marvels in Asia, science fiction literature, and film classics from the 60's to the modern age big blockbuster spectacles.

Initially, I was experimenting with different designs in Blender, making the capsule look like a mushroom and connecting a vast array of them to bigger spherical objects, that were supposed to be communal areas. Due to technical difficulties with Blender, I was forced to abandon this idea and try something else. I started to experiment with a program called Mandelbulb 3D that allowed me to create more intricate fractal shapes. Playing around with different fractal formulas in Mandelbulb led me to discover the new capsule form. The capsules, octagonal in form, are designed to be efficient and visually appealing, with each housing its own energy source collected from antennas. The interiors are inspired by a blend of futuristic aesthetics and traditional Japanese design elements, featuring floating furniture, hologram displays, and innovative solutions for living spaces. Each capsule has its own bathroom that is also inspired by nature, I wanted it to have its own atmosphere and ecosystem. The bathroom and main living quarters are connected via an elevator and futuristic Star Trek inspired corridor that connects to the communal area.

The communal area, resembling a large spherical room, is envisioned as a forest-like environment with hanging trees and multiple levels for socializing and recreation. In the middle of the room is a fusion reactor in a form of a Sun that enables sunbathing. Inspired by Zaha Hadid's architectural projects, I incorporated linear movement into the design, creating a dynamic and visually stunning space.

Overall, the thesis explores the intersection of nature-inspired design, futuristic technology, and innovative architectural concepts to create a visually captivating and functional living environment for humanity's future in the mesosphere.